

C.I.P.S.

MODELE MATHEMATIQUE DE LA
POLLUTION EN MER DU NORD.

TECHNICAL REPORT

1973/02 BIOL.02

This paper not to be cited without prior reference to the author.

ETUDE DU ZOOPLANCTON :

Croisière du 7-8-9 mai 1973. M 16.

Variations temporelles.

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Vrije Universiteit Brussel.

Time Sharing Service

ZOOPLANKTON EKOLOGIE EN SYSTEMATIEK V.U.B.

DATE OF CRUISE: 7-8-9 MAY 1973 M 16

STATION 16 M 16 070573 2230 -2m

TOT.NUMB.INDIV./M3 89560

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 4

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 11.97

	TOT.NUMB./M3	TOT.ANG.REPR.
CNIDARIA	80	0
ACNIDARIA	260	1
NEMATHELMINT.	20	0
MOLLUSCA (L)	280	1
ANNELIDA (L)	1220	4
CRUSTACEA	86900	
NAU.COP.	35520	142
COPEPODITES	26840	107
COP.ADULTES	24540	98
OTHERS	0	0
BRYOZOA (L)	0	0
CHAETOGNATHA	20	0
ECHINOD. (L)	180	0
TUNICATA	560	2
PISCES (O-L)	40	0

STATION 16 M 16 080573 600 -2m

TOT.NUMB.INDIV./M3 15600

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.66

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 4.99

	TOT.NUMB./M3	TOT.ANG.REPR.
CNIDARIA	0	0
ACNIDARIA	0	0
NEMATHELMINT.	0	0
MOLLUSCA (L)	0	0
ANNELIDA (L)	440	10
CRUSTACEA	15140	
NAU.COP.	14180	327
COPEPODITES	680	15
COP.ADULTES	100	2
OTHERS	180	4
BRYOZOA (L)	0	0
CHAETOGNATHA	0	0
ECHINOD. (L)	0	0
TUNICATA	0	0
PISCES (O-L)	20	0

STATION 16 M 16 090573 1230 -2m

TOT.NUMB.INDIV./M3 20660

DIAGRAM CONSTRUCTION (WITH MAX.AREA R=4CM):R= 1.92

DIAGRAM CONSTRUCTION (NO MAX.AREA):R= 5.74

	TOT.NUMB./M3	TOT.ANG.REPR.
CNIDARIA	0	0
ACNIDARIA	0	0
NEMATHELMINT.	0	0
MOLLUSCA (L)	20	0
ANNELIDA (L)	160	2
CRUSTACEA	20300	
NAU.COP.	17800	310
COPEPODITES	2400	41
COP.ADULTES	80	1
OTHERS	20	0
BRYOZOA (L)	20	0
CHAETOGNATHA	0	0
ECHINOD. (L)	40	0
TUNICATA	100	1
PISCES (O-L)	20	0

Time Sharing Service

Onderzoek CIPS

Cruise mai 1973

Point fixe M16.

	M16 22h30	070573 -2m	M16 6h.	080573 -2m	M16 12h30	090573 -2m
— Vers gewicht $\mu\text{g}/\text{m}^3$						
<u>Cnidaria</u>						
<u>Acnidaria</u>						
Ctenophora						
<u>Nemathelminthes</u>						
Rotatoria spec.						
Nematoda spec.						
<u>Mollusca</u>						
Gasteropoda (1)						
Lamellibranchia (1)	700				50	
<u>Annelida</u>						
Polychaeta spec.	10553		3806		1384	
Lanice spec.						
<u>Crustacea</u>						
Copepoda nauplii	140304		56011		70310	
Copepoda copepodiet	354288		8976		31680	
Copepoda adult.	1446390		4290		5152	
Cirripedia (1)			960			
Ostracoda						
Decapoda (1)			49860		24930	
Mysidacea						
Cumacea						
Isopoda						
Amphipoda			24930			
Cladocera						
<u>Bryozoa (1)</u>						
<u>Chaetognatha Sagitta spec.</u>			1930			
<u>Echinodermata Larvae spec.</u>						
<u>Tunicata Oikopleura</u>			48440.		8650	
<u>Pisces (e - 1)</u>			48352	24126	24126	
TOTAAL	2050857		177249		166282	
GEMIDDELDE						
— Drooggewicht $\mu\text{g}/\text{m}^3$	410171		35450		33256	
— Koolstof $\mu\text{g}/\text{m}^3$	164068		14180		13302	
— Stikstof $\mu\text{g}/\text{m}^3$	45119		3900		3658	
— Fosfor $\mu\text{g}/\text{m}^3$	4102		354		333.	